VK4II

- 3 Axis CNC Knee Mill
- Table : 54'' x 12''
- Travels : 33'' x 14.25'' x 5.9''
- Control : 8200-B

SUPPORT ONE

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1400 Mill Lane | Waconia, MN 55387 | Sales@milltronics.com | 888.999.1440 | www.milltronics.com

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SPECIFICATIONS:

CAPACITY:	
X/Y Travels	33 x 14.25 (838 x 362 mm)
Quill Travel	5.9'' (150 mm)
Knee Travel	16.5'' (420 mm)
Table Size	54 x 12'' (1370 x 305 mm)
Allowable Table Load	1500 lbs (680 kg)
T-Slot Size	3 x .63'' (16 mm)

SPINDLE:	
Spindle Nose Line to Table Distance (min/max)	6/30'' (152/762 mm)
Column to Spindle Center	34.55'' Max/10.71'' Min (877.5 Max/272mm Min)
Quill Diameter	4'' (100 mm)
Spindle Taper	ISO No. 40
Spindle Speed (Low Gear)	70-500 RPM
Spindle Speed (High Gear)	500-4000 RPM
AC Spindle Motor	7.5 HP (5.5 kW)
Max Torque	200 ft-lbs (271 Nm)

MOTION:	
X/Y/Z Axis Rapid Traverse Rate	300 IPM (7.62 m/min)
Max. Cutting Feed Rate	150/200 IPM (3.81 m/min)
Positioning Accuracy	+/-0.0002'' (+/- 0.005 mm)
Repeatability	0.0002'' (0.005 mm)
Axis Thrust Force X/Y/Z (Peak)	1921 lbs (8.5 kN)

General	
Machine Height	100.79'' (2560 mm)
Floor Space Required (W x D)	117.95 x 85'' (2996 x 2160 mm)
Machine Weight	4400 lbs (2000 kg)
Power Required	11 KVA
Voltage Required	208-240 Volts/3 Phase

MACHINE STANDARDS:

- Milltronics 8200-B Series CNC Control
- Program Conversationally or G-Code
- 12" LCD Color Display
- Solid Model Graphic Display
- 1 GB RAM, 2 GB Program Storage
- Retractable Handwheels with Feedback
- 5.9" Manual Quill Travel
- Programmable RPM Spindle
- 7.5 HP Spindle Motor
- High Torque 8:1 Back Gear
- CAT #40 taper
- ±90° Head Tilt
- Ram Travel +/- 12" (from centerline)
- Ram Swivels +/- 90 Degrees
- Dovetail Way with Turcite X-axis
- Hardened and Ground Way Y-axis
- Unique MillSlideTM Z-axis
- Auto Lubrication
- DXF File Import

8200-B CNC

The new standard of control

With its conversational programming, onscreen help, intuitive menus, color graphics and prompted tool settings, the 8200-B CNC helps new operators train faster and become more productive sooner. Shops can choose either conversational, G-code program-ming, or download tool paths created with a CAM system - whatever is the most efficient way to produce the required part.

CONTROL STANDARDS:

- PC-based 8200-B CNC includes 1 GB parts storage memory
- Enhanced CPU with Block processing speed of 2000 bps with enhanced jerk control and look ahead
- 12'' LCD active matrix color display
- Conversational plus G & M code programming including coordinate rotating, scaling, mirror image, thread mill engraving, helical interpola-tion, auto routines, and user definable macros with trig assist and irregular pocket clearing
- Auto DXF file import
- 3D part and wire frame tool path graphics plus solid modeling graphics
- Management software that allows editing of very large program files at the machine
- Spindle loader meter
- User definable macros with trig assist
- USB connectivity
- MTConnect compliant
- Networking

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